

SEQUENCE LISTING

<110> Marx, Andreas
 Summerer, Daniel
 Rudinger, Nicolaus Zackes

<120> MUTATED DNA POLYMERASE WITH INCREASED MISPAIRING
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<130> 630196.401USPC

<140> US 10/588,570

<141> 2005-02-04

<150> PCT/EP2005/050479

<151> 2005-02-04

<150> DE 102004005885.7

<151> 2004-02-05

<160> 37

<170> PatentIn Ver. 2.1

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<223> E.coli Klenow fragment of DNA polymerase I

<400> 2

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Gly Glu Pro Thr Gly Ala Met Tyr Gly Val Leu Asn Met Leu Arg Ser
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Tyr Lys Ala Gly Arg Ala Pro Thr Pro Glu Asp Phe Pro Arg Gln Leu
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Ala Leu Ile Lys Glu Leu Val Asp Leu Leu Gly Leu Ala Arg Leu Glu
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Val Pro Gly Tyr Glu Ala Asp Asp Val Leu Ala Ser Leu Ala Lys Lys
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Ala Glu Lys Glu Gly Tyr Glu Val Arg Ile Leu Thr Ala Asp Lys Asp
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Asp Gln Trp Ala Asp Tyr Arg Ala Leu Thr Gly Asp Glu Ser Asp Asn
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Leu Pro Gly Val Lys Gly Ile Gly Glu Lys Thr Ala Arg Lys Leu Leu
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Asp Glu Leu Val Leu Glu Ala Pro Lys Glu Arg Ala Glu Ala Val Ala
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n=g, wildtype template; n=a, mutant template

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<210> 21
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 <213> Artificial sequence

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 <223> Target template BrafX; w = a, Braf A (wild type);
 w = t, Braft (mutant)

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 <223> Primer probe DpyDT

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<212> DNA
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<220>
 <223> Reverse primer for DpyDT

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23

<210> 24
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 <213> Artificial sequence

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 <223> Target template DpyDX; n = a, DpyDA (wild type); r = t
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 <223> n = a or t

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